Notice of Allowability	Application No.	Applicant(s)
	10/722,551	KAWABATA ET AL.
	Examiner	Art Unit
	Maureen M. Wallenhorst	1743
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to the amendment recei	ved on February 13, 2007.	
2. The allowed claim(s) is/are <u>1-10</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 	been received. been received in Application No.	
 Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). 		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXAMINE es reason(s) why the oath or decla	ER'S AMENDMENT or NOTICE OF aration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		O-948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		•
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawn he header according to 37 CFR 1.12	wings in the front (not the back) of 21(d).
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
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Attachments		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Information	Patent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Summa	ry (PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail □ 7. ⊠ Examiner's Amen	Date dment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's Stater	ment of Reasons for Allowance
S.ological Material	9.	
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Todd Baker on April 25, 2007.

On line 4 of claim 1, the phrase –and to form a filtrate—was inserted after the word "size". On line 7 of claim 1, the phrase "a filtrate" was changed to –said filtrate—.

On line 3 of claim 5, the phrase –and to form a filtrate—was inserted after the word "size". On line 6 of claim 5, the phrase "a filtrate" was changed to –said filtrate—.

On line 3 of claim 9, the phrase –and to form a filtrate—was inserted after the word "size". On line 6 of claim 9, the phrase "a filtrate" was changed to –said filtrate—. On line 9 of claim 9, the phrase "is diagnosed" was changed to –is also diagnosed—. On lines 13-14 of claim 9, the phrase "the timing before the wear depth reaches the predetermined surface roughness of the lubricated portion is forecast on the basis of the rate of change" was changed to –the timing before the wear depth of the lubricated portion reaches a predetermined surface roughness is forecast on the basis of the rate of change—.

On line 3 of claim 10, the phrase –and to form a filtrate—was inserted after the word "size". On line 5 of claim 10, the phrase "a filtrate" was changed to –said filtrate—. On lines 6 and 9 of claim 10, the phrase "means for determining" was changed to –means for calculating—.

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On line 13 of claim 10, the word –and—was inserted after the semicolon. On line 15 of claim 10, the phrase "said diagnosing means diagnosis" was changed to –said diagnosing means also diagnoses—. On lines 17-18 of claim 10, the phrase "the timing before the wear depth reaches the predetermined surface roughness of the lubricated portion is forecast on the basis of the rate of the change" was changed to –the timing before the wear depth of the lubricated portion reaches a predetermined surface roughness is forecast on the basis of the rate of change—.

2. The following is an examiner's statement of reasons for allowance: Application serial no. 10/722,551 is being allowed since none of the prior art of record teaches or fairly suggests a method and apparatus for diagnosing a lubricated portion by filtering a lubricating oil picked up from the lubricated portion so as to separate out metal particles of a predetermined size and to form a filtrate, analyzing the metal concentration by emission spectrometry in both the filtrate portion and in the separated metal particles of predetermined size by dissolving the metal particles in an acid to form a solution, and diagnosing a state of the lubricated portion on the basis of the metal concentrations in both the filtrate and the solution containing the dissolved metal particles of a predetermined size. None of the prior art of record teaches or fairly suggests analyzing in a single lubricating oil sample both the metal particles separated from the lubricating oil and the filtrate resulting from the separation in order to diagnose the state (i.e. wear) of a lubricated portion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

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3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Maureen M. Wallenhorst whose telephone number is 571-272-

1266. The examiner can normally be reached on Monday-Thursday from 6:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jill Warden, can be reached on 571-272-1267. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Maureen M. Wallenhorst

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Primary Examiner

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April 26, 2007

Marrier m. Wallenhorst MAUREEN M. WALLENHORST PRIMARY EXAMINER

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